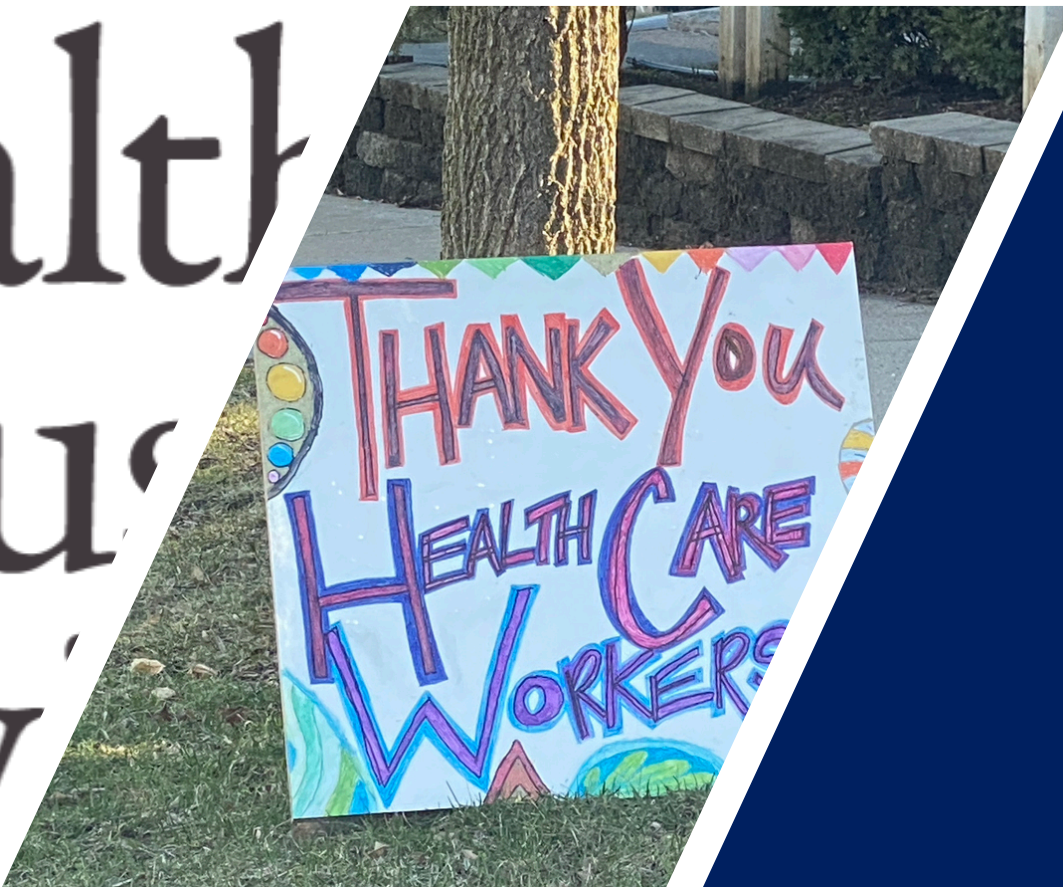




Health
Industry
Adv



Issue # 177

Saturday, October 3, 2020

COVID-19 Report

Highlights

- For the second consecutive week, test volume in the U.S. set a record high
 - The test-positive rate met the World Health Organization's 5% target; this was the first time this was achieved for a Saturday-Friday period since June 13-19
 - New cases for the past seven days were slightly higher than the previous seven-day period. Nevertheless, new cases for four of the last five seven-day periods have fluctuated in a narrow range (reported cases were markedly lower on the days leading up to and following Labor Day, more than likely due in large part to various state practices of limiting case reporting on weekends and holidays)
 - Texas, California, Wisconsin, Florida, Illinois and North Carolina reported the highest numbers of new cases over the past seven days. Of course, five of these six states are among the ten most populated states in the country. The sole exception is Wisconsin, whose new case total is particularly high for a relatively small state
 - Texas, Wisconsin and New York reported at least 2,000 more new cases last week than the prior week; North Carolina, Florida and South Carolina reported at least 2,000 fewer new cases week-over-week
 - Wisconsin has now reported more new cases week-over-week for six consecutive weeks; Massachusetts and Wyoming have done so for four consecutive weeks
- California has reported fewer new cases week-over-week for seven consecutive weeks; Louisiana, four consecutive weeks
 - Deaths reported with coronavirus declined last week for the second consecutive week and the seventh time in the past nine weeks; During this time, weekly deaths have declined by more than 1/3.
 - Since peaking during the seven-day period of May 9-15, weekly deaths have declined by more than 1/2
 - Active cases in the U.S. have been stable for the past 8-9 weeks; these had more than doubled from the beginning of June to mid-August
 - Inpatient days for COVID-19 patients increased slightly last week (~1%), following nine consecutive weeks of decline; it remains just more than 1/2 its July 18-24 level
 - After eight consecutive weeks of decline, ICU days for COVID-19 patients increased by ~0.1%
 - Ventilator days for COVID-9 patients fell for the ninth consecutive week; these have declined by 45% during this time
 - The % of ER visits for COVID-19-like illnesses continued to decline, a pattern that began in mid-July
 - The % of ER visits for influenza-like illnesses remains low, indicating that the impact of flu season has not yet materialized

Test volume set a record high for the second consecutive week

Test-positive rate met the WHO-target for the first time since June 13-19

Weekly Tests - United States

For the 7 days ending on date shown

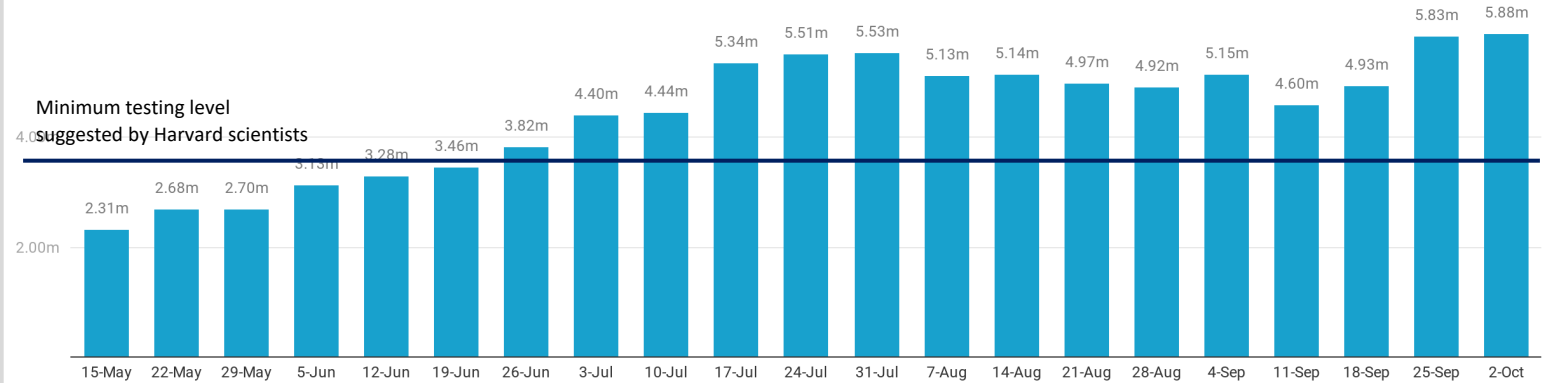


Chart: Health Industry Advisor LLC • Source: The Atlantic's Covid Tracking Project • Created with Datawrapper

Weekly Test-Positive% - United States

For the 7 days ending on date shown

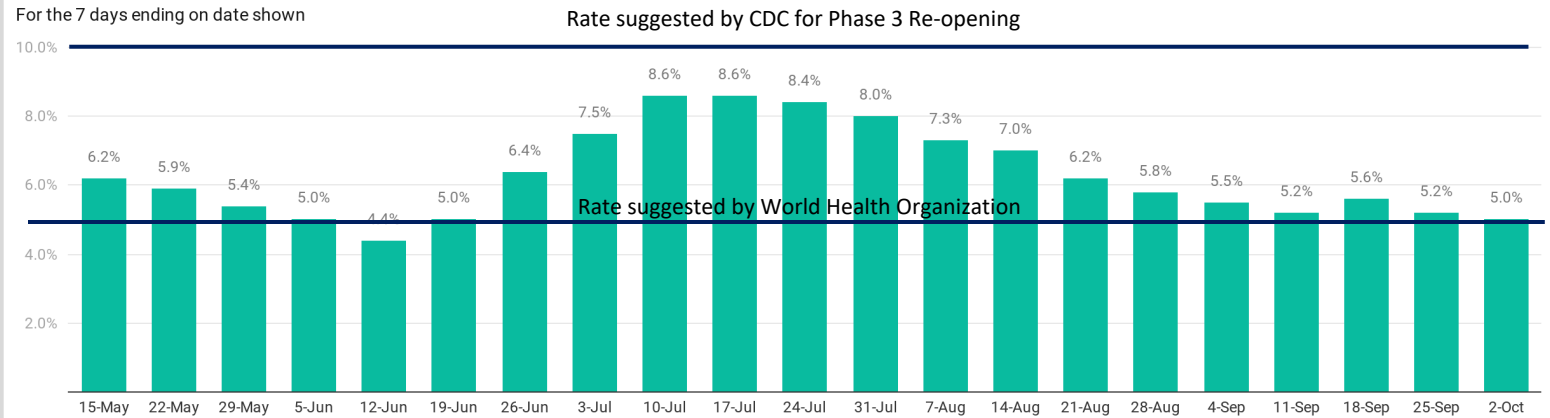


Chart: Health Industry Advisor LLC • Source: The Atlantic's Covid Tracking project • Created with Datawrapper

Week of Labor Day appears to be an aberration – perhaps driven by state-level reporting issues

New cases increased modestly for the second consecutive week

Nevertheless, new cases in the U.S. have plateaued over the past six weeks. Is this the new normal or, are we on the verge of a renewed spike (due to colder weather bringing people inside)?

Weekly New Cases - United States

For the 7 days ending on date shown

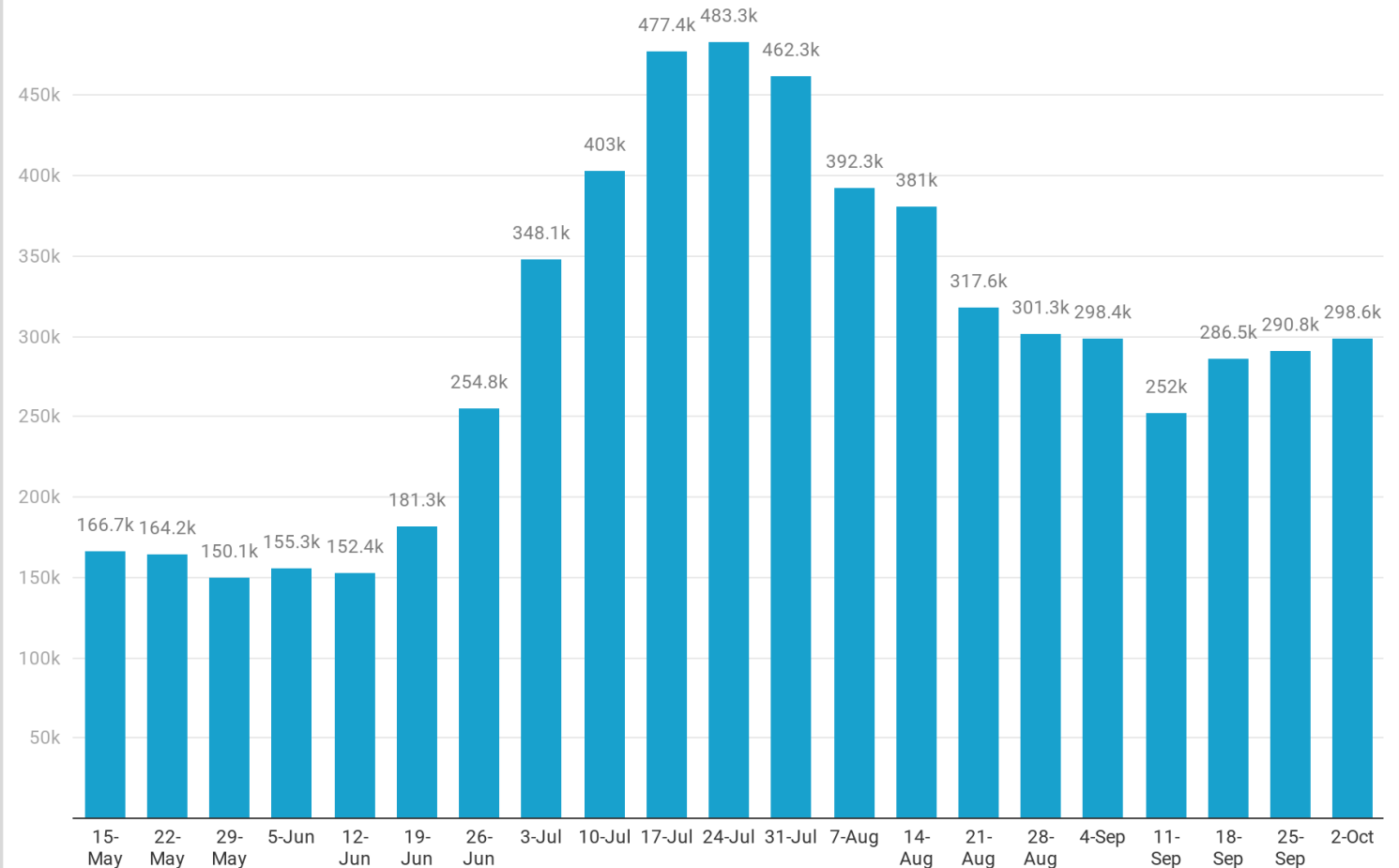


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Texas recorded the highest number of new cases over the past seven days, followed in order by California, Wisconsin, Florida and Illinois

These states accounted for more than 1/3 of all new cases in the U.S. last week

New Weekly Cases

September 26 - October 2

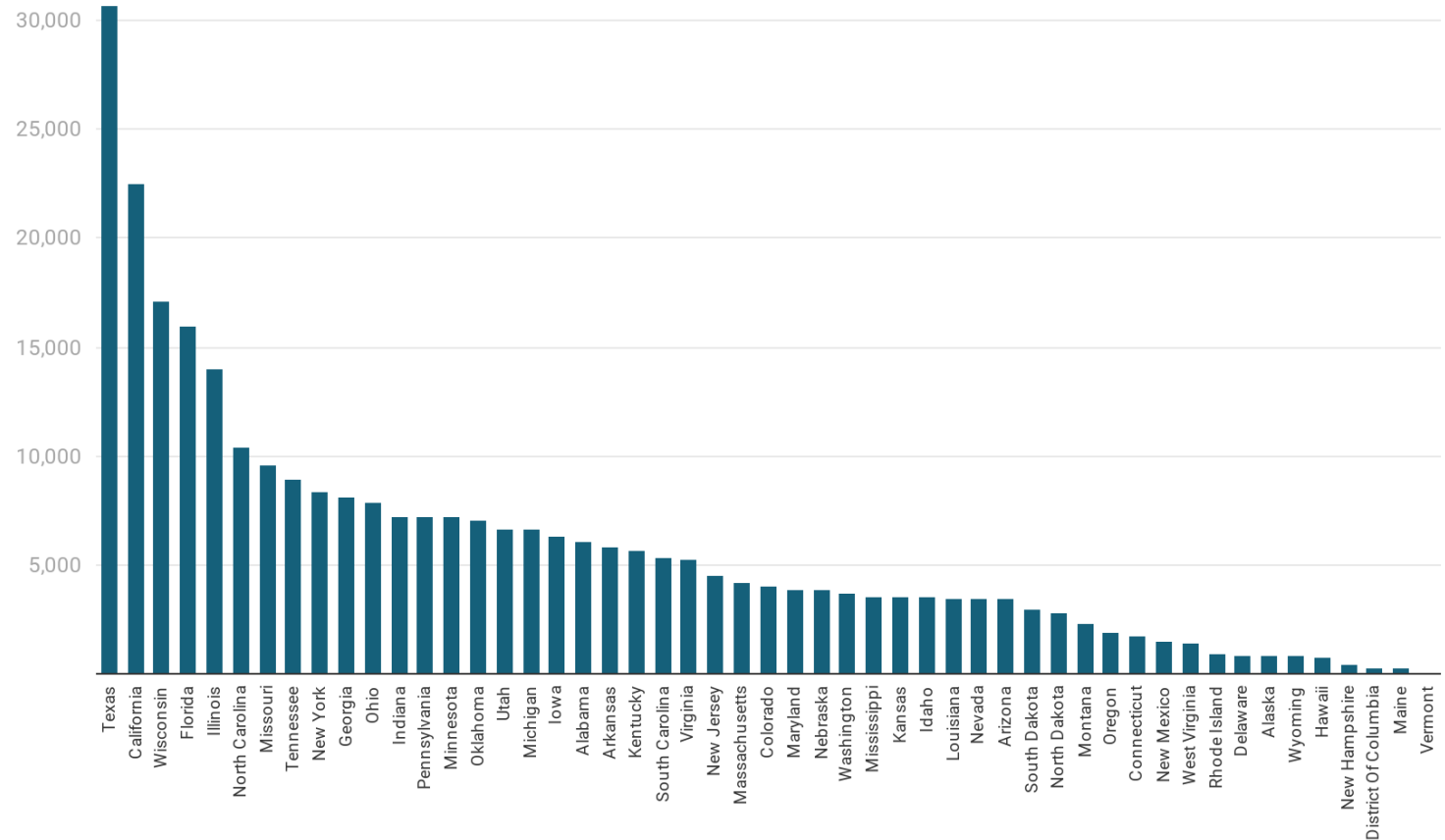


Chart: Health Industry Advisor LLC • Created with Datawrapper

Texas, Wisconsin and New York each reported at least 2,000 more cases the past seven days than they had the prior week

North Carolina, Florida and South Carolina each reported at least 2,000 fewer new cases the past seven days than they did the prior week

New cases have increased week-over-week for six consecutive weeks in Wisconsin; four consecutive weeks in Massachusetts and Wyoming

New cases have declined week-over-week for seven consecutive weeks in California; four consecutive weeks in Louisiana

Change In New Weekly Cases

September 26 - October 2 v. September 19 -25

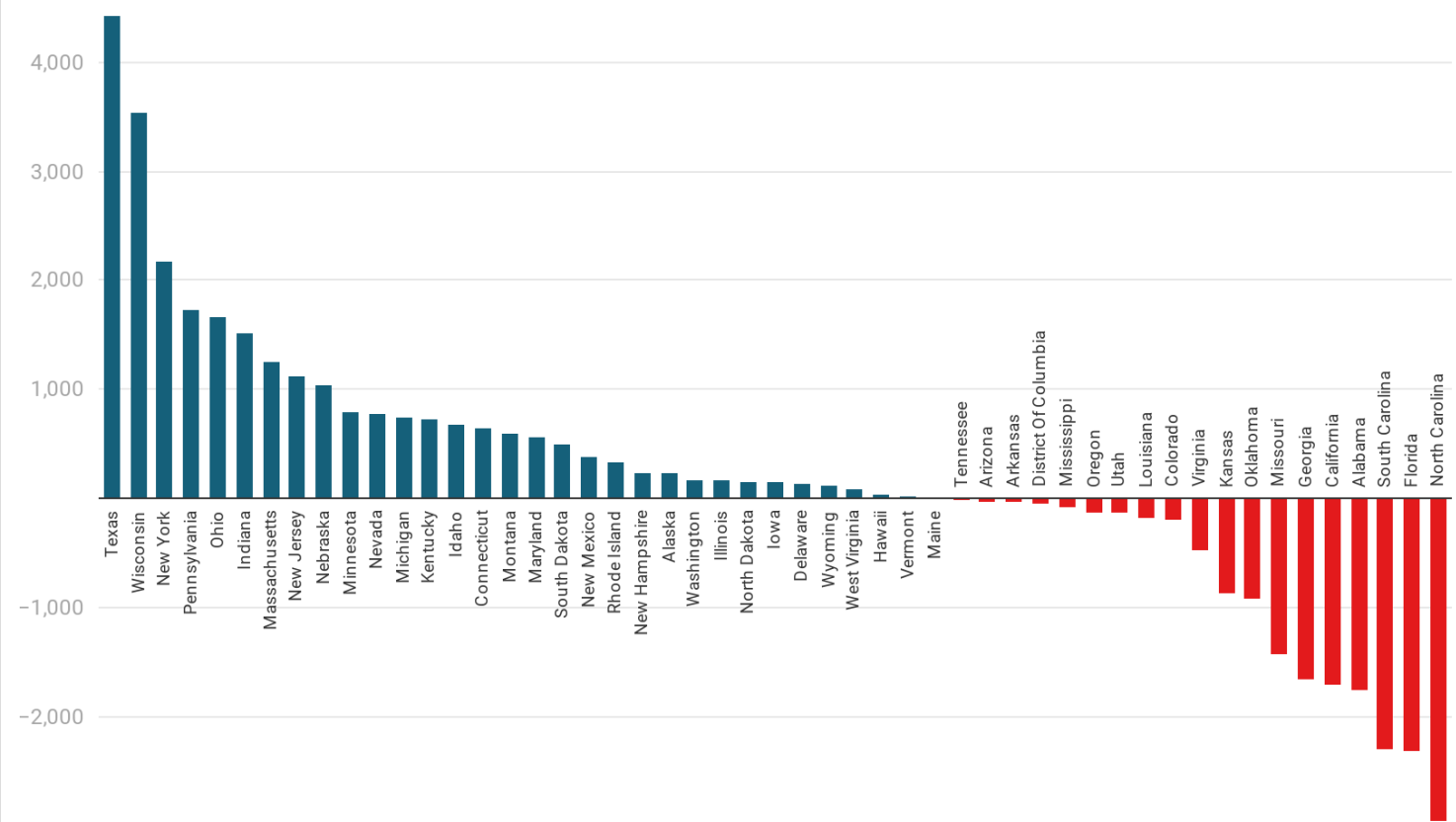


Chart: Health Industry Advisor LLC • Created with Datawrapper

Deaths reported with the coronavirus in the U.S. declined for the second consecutive week

Since reaching a secondary peak on July 25-31, reported deaths were down 37% last week (52% since a primary peak on May 9-15)

Weekly Deaths - United States

For the 7 days ending on date shown

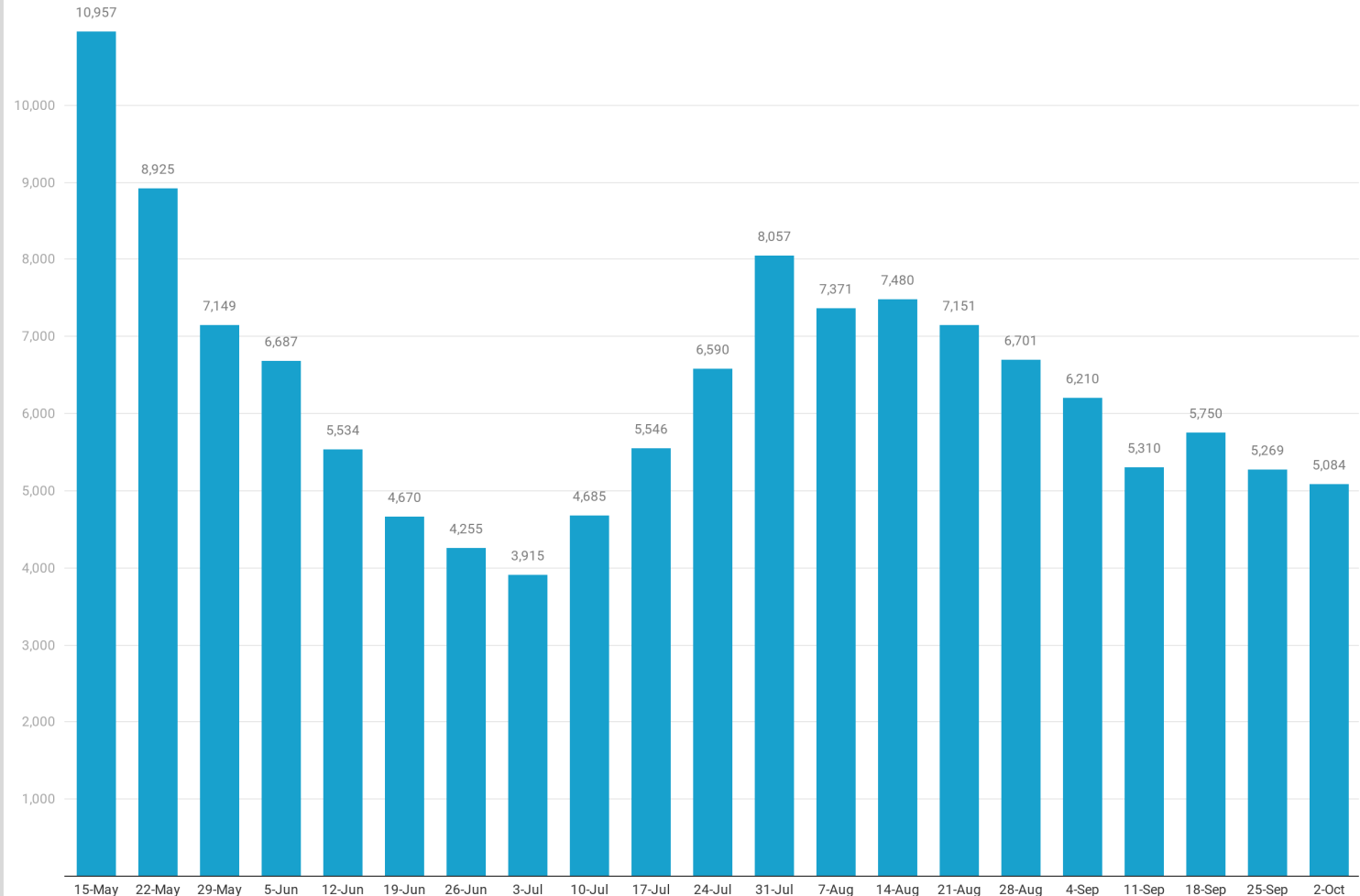


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Recoveries from the coronavirus in the U.S. increased slightly over last week

There were slightly fewer than 300k recoveries last week in the U.S.

Weekly Recoveries - United States

For the 7 days ending on date shown

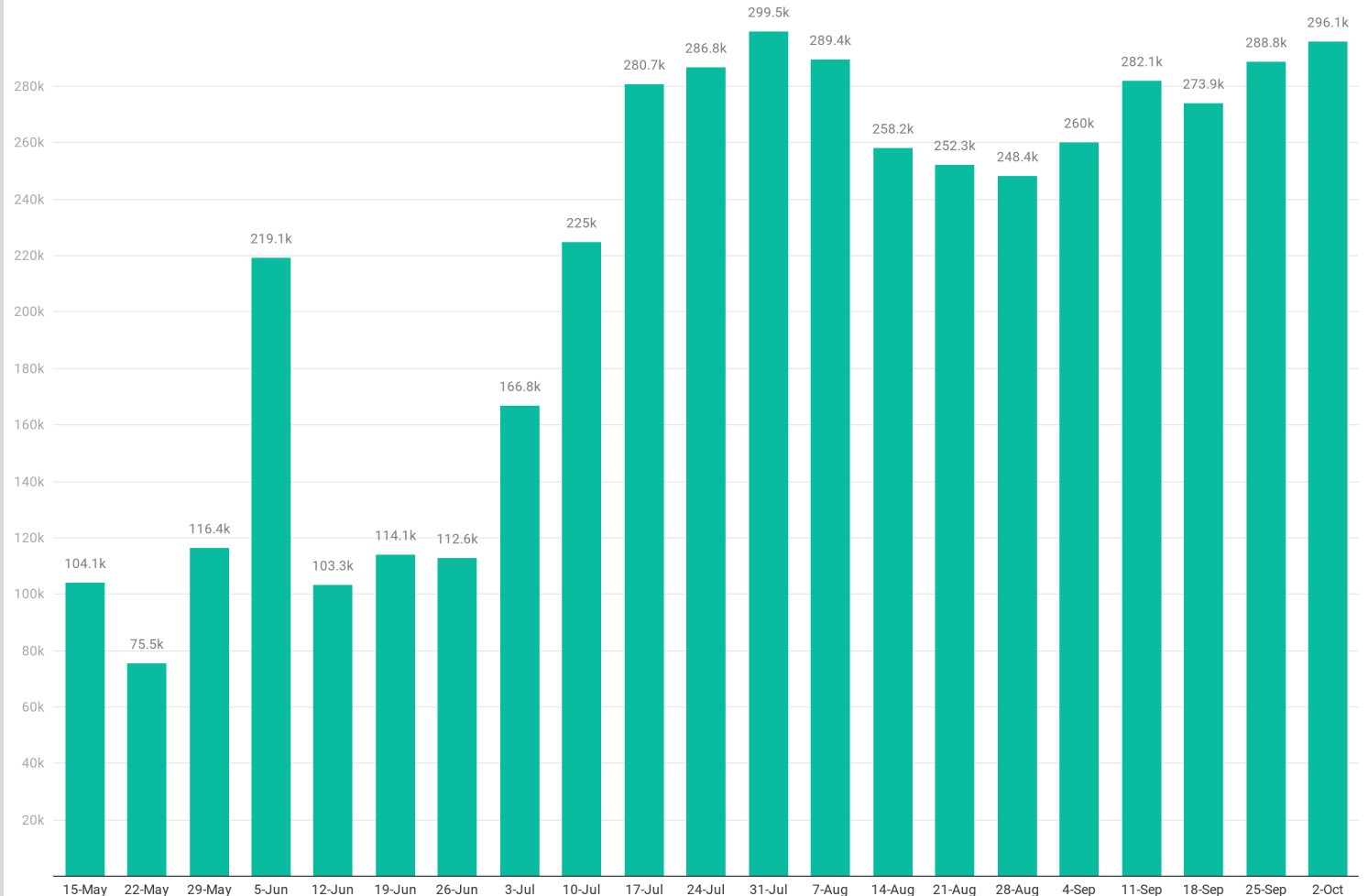


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Following a period of growth from June to mid-August, the number of active cases in the U.S has been stable for the past 7-8 weeks

Current Active Cases - United States

For the 7 days ending on date shown

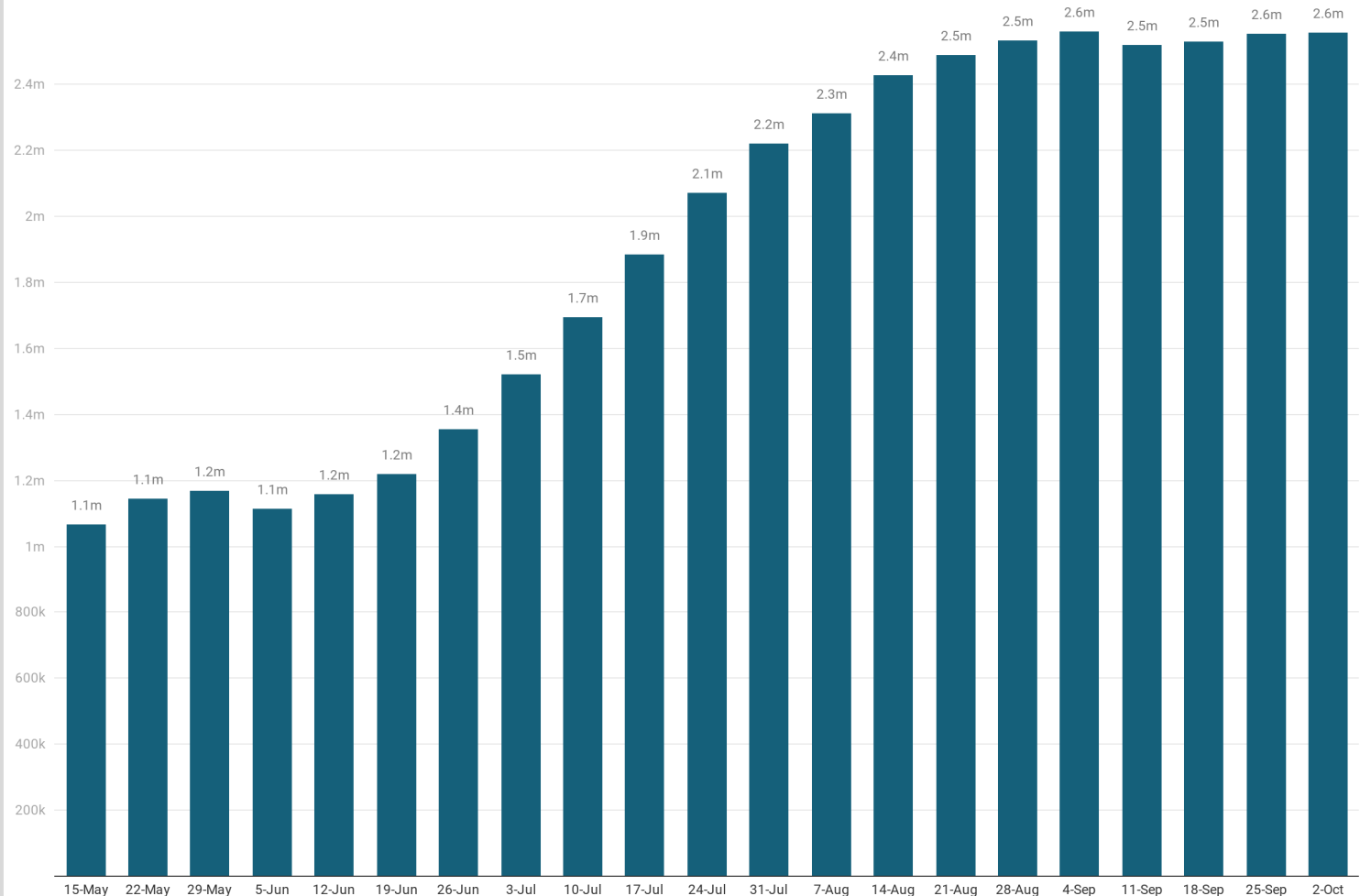


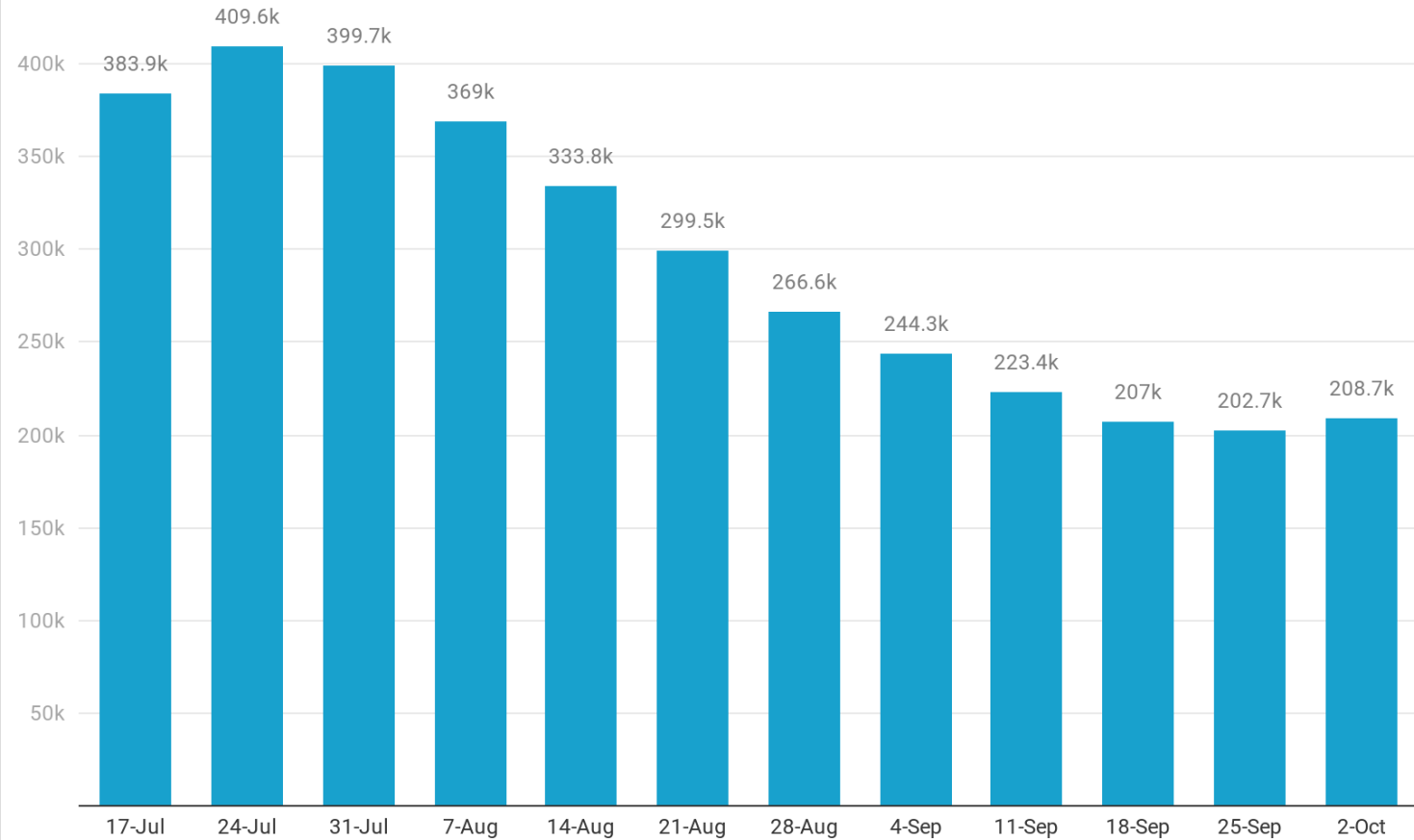
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Inpatient COVID-19 census increased last week, for the first time in ten weeks

This census remains just more than ½ its July 18-24 level

Weekly Inpatient Days COVID-19 - United States

For the 7 days ending on date shown



The following states started reporting data on: HI, 7/14; KS, 7/25

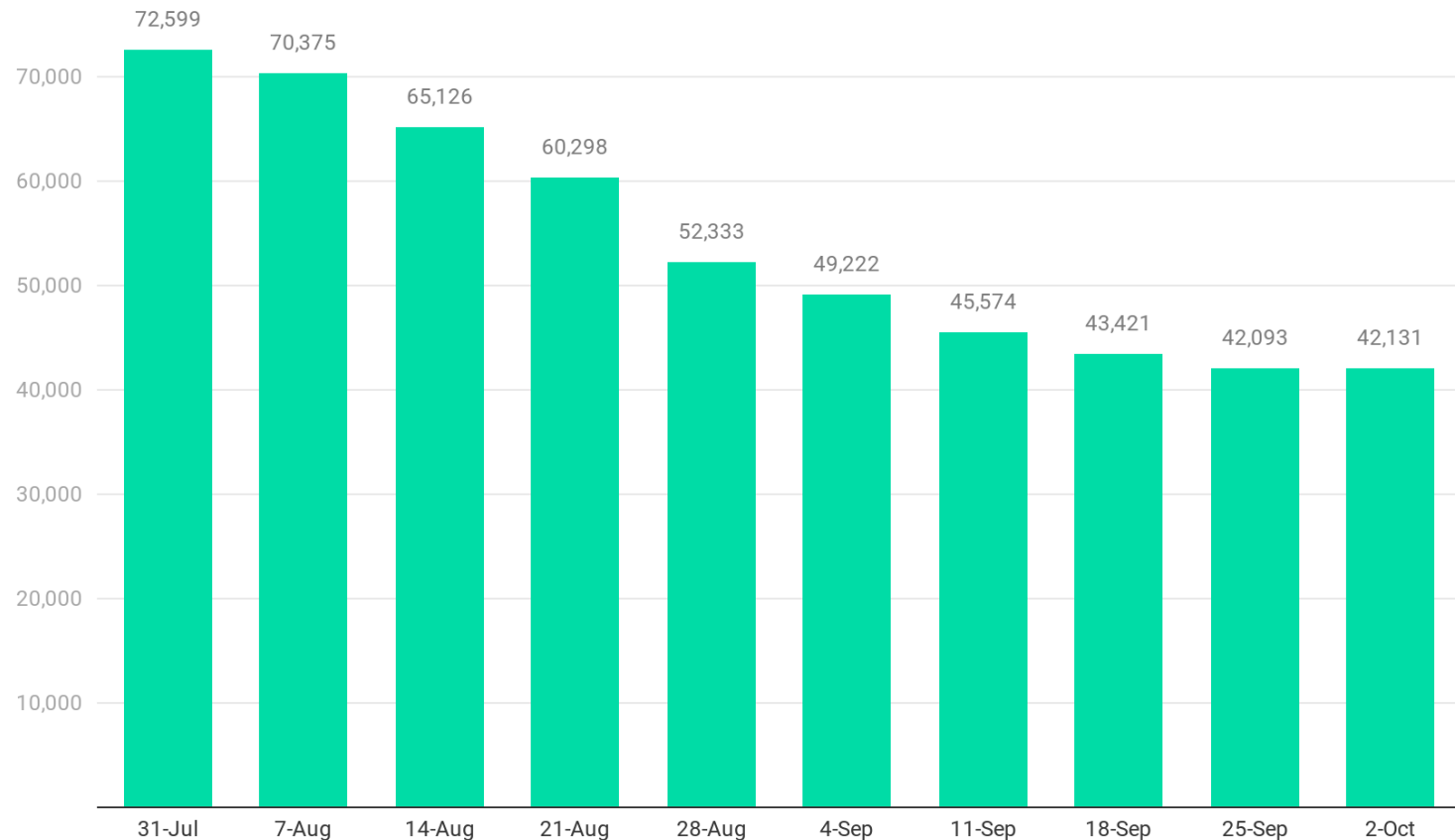
Chart: Health Industry Advisor LLC • Source: New York Times • Created with Datawrapper

ICU census of COVID-19 patients was marginally higher last week (<0.1%)

This census is 42% lower than the week of July 25-31

Weekly ICU Census COVID-19 - United States

For the 7 days ending on date shown



The following states started reporting data on: HI, 7/30; ND, 8/19; SC, 7/28; TN, 8/12. The following states do not report: AL, AK, AR, CO, CT, FL, GA, LA, MO, MT, NE, NH, NM, PA, SD, VT, WA

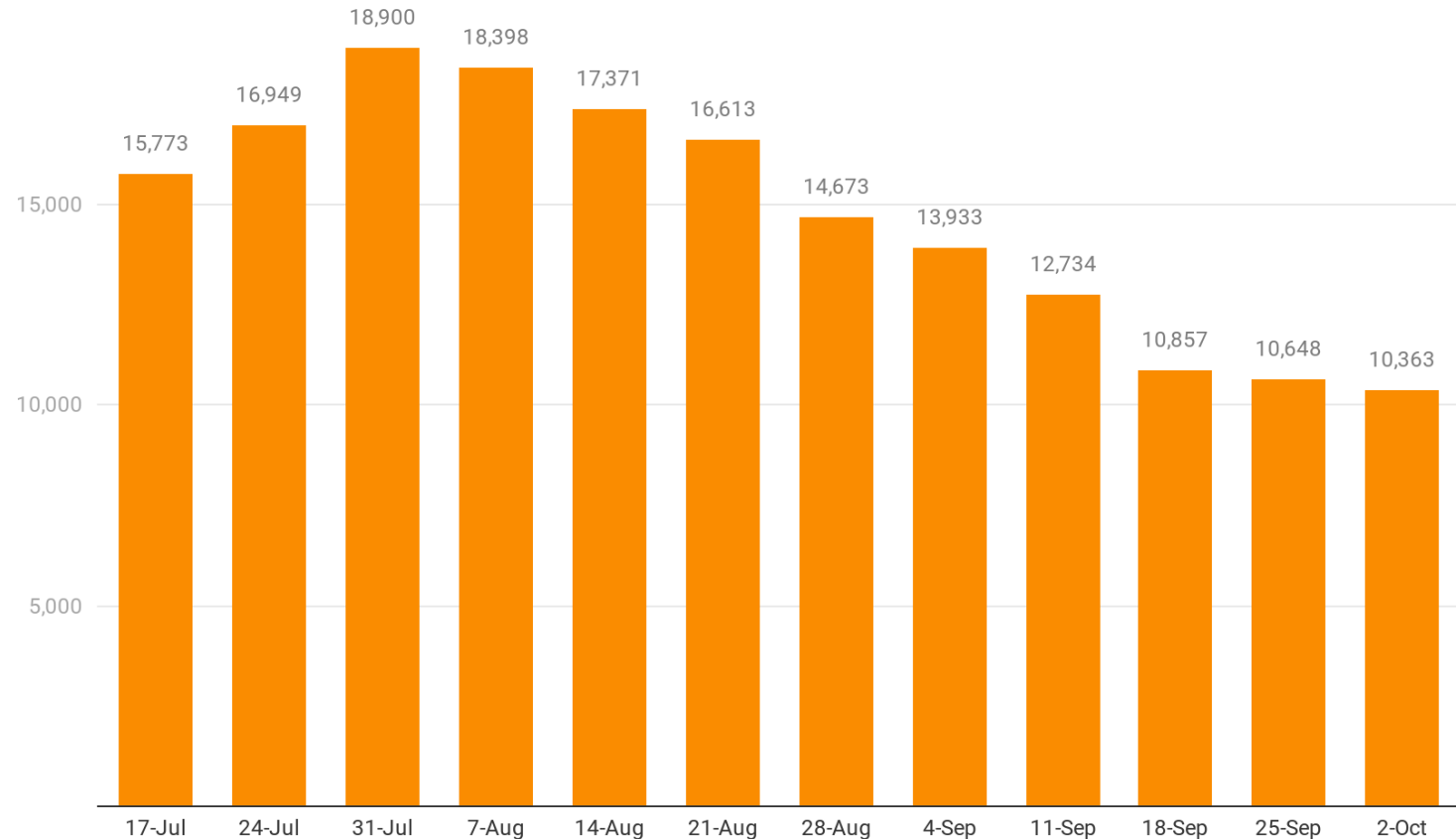
Chart: Health Industry Advisor LLC • Source: New York Times • Created with Datawrapper

Census of COVID-19 patients on ventilators fell last week, for the 9th consecutive week

This census has dropped by 45% during this time

Ventilator Days COVID-19 - United States

For the 7 days ending on date shown



The following states started reporting data: HI, 7/31; KS, 7/16; SC, 7/24; TN, 8/12. The following states do not report: AL, CA, CO, CT, FL, GA, ID, KY, MD, MN, MT, NH, NM, NC, ND, OK, SD, TX, UT, VT, WI, WY

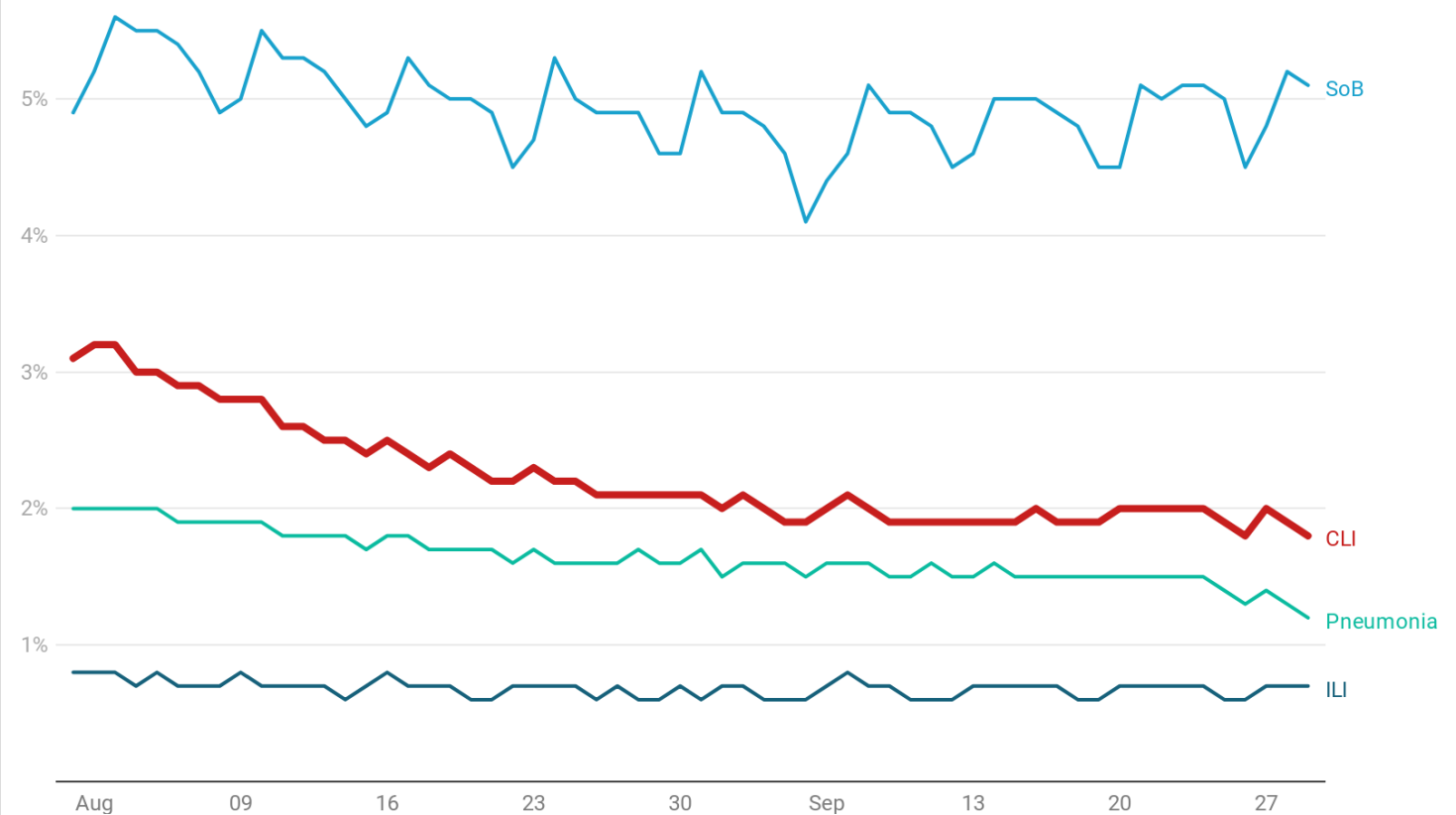
Chart: Health Industry Advisor LLC • Source: New York Times • Created with Datawrapper

The % of ER visits for COVID-19-like illnesses (CLI) has steadily declined since July

Flu season is not yet evidenced by influenza-like illness (ILI) visits to the ER

% of Emergency Department Visits for COVID-Like Illness (CLI), Influenza-Like Illness (ILI), Pneumonia & Shortness-of-Breath (SoB)

As of September 26



Health Industry Advisor LLC analysis

Chart: Health Industry Advisor LLC • Source: Centers for Disease Control • Created with Datawrapper

Data Sources

The following data sources are accessed on a daily or weekly basis:

- The Atlantic's Covid Tracking Project: <https://covidtracking.com>
- Worldometers.info: <https://www.worldometers.info/coronavirus/>
- Centers for Disease Control, National, Regional, and State Level Outpatient Illness and Viral Surveillance
<https://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>
- Centers for Disease Control, COVID-19 Laboratory-Confirmed Hospitalizations
https://gis.cdc.gov/grasp/COVIDNet/COVID19_5.html
- Centers for Disease Control, COVID Data Tracker <https://www.cdc.gov/covid-data-tracker/index.html#mobility>
- Institute for Health Metrics and Evaluation, COVID-19 estimate downloads
<http://www.healthdata.org/covid/data-downloads>
- New York Times, Covid-19 data <https://github.com/nytimes/covid-19-data>
- COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University
<https://github.com/CSSEGISandData/COVID-19>
- COVID-19 Projections Using Machine Learning, <https://covid19-projections.com>